

HOLLOW FIBER MEMBRANE CARTRIDGE

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Abstract of JP 2003024751 (A)

PROBLEM TO BE SOLVED: To provide a hollow fiber membrane cartridge making it easy to peel the suspended substance accumulated on the outer surfaces of respective hollow fiber membranes by maximally permitting the expansion and vibration of hollow fiber membranes at the time of air bubbling washing and not generating the closure of air diffusion holes and the lowering of permeability.

SOLUTION: The hollow fiber membrane cartridge has a hollow fiber membrane bundle comprising a plurality of hollow fiber membranes and bonded and fixed at both ends thereof, the cartridge head bonded and fixed to the outer periphery of one end of the hollow fiber membrane bundle in a liquid tight state and the skirt bonded and fixed to the outer periphery of the other end thereof in a liquid tight state. The cartridge head and the skirt are separated and the hollow parts of the ends of the hollow fiber membranes on the side of the cartridge head are opened while the hollow parts of the ends of the hollow fiber membranes on the side of the skirt are sealed and a plurality of through-holes are provided to the bonded and fixed layer on the side of the skirt. In the hollow fiber membrane cartridge thus constituted, air introducing ports are provided to the side surface of the skirt.

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